

PREFACE TO THE MANUFACTURING MANAGEMENT GUIDEBOOK

This guide was prepared by the Modern Technologies Corporation, Dayton, Ohio, under the direction of Mr. Thomas M. McCan MDA 903-88-C-0105. The contract was supervised by the Defense Systems Management College, Fort Belvoir, Virginia. The views expressed herein are those of the authors and should not be construed as an official Department of Defense position or policy unless otherwise official documentation.

Whenever in this publication, "man", or "men", or their related pronouns appear, either as words or parts of words (other than obviously named male individuals), they have been used for literary purposes and are meant in their generic sense.

PREFACE TO THE THIRD EDITION

When the Defense Systems Management College (DSMC) published the first editions of this guide (then called a "handbook"), it released new editions whenever there were sufficient changes in policies, procedures, and practices to make it appropriate to do so. This is the third edition.

Although the text has been revised, the basic objective of the guide has changed very little. The guide has become one of the educational guides published by the college and written from a Department of Defense (DOD) perspective; i.e., non-service personnel. It is intended primarily for use in the courses at the DSMC and, secondarily, as desk references for program and project management personnel. The guide is intended to assist both the Government and industry personnel in executing their management responsibilities relative to defense systems.

The current family of technical guides, in addition to this document, includes the following:

- Integrated Logistics Support Guide
- First Edition: May 1986
- Systems Engineering Management Guide
- Second Edition: Dec 1986
- Test and Evaluation Management Guide
- First Edition: Mar 1988
- Mission Critical Computer Resources Management Guide First Edition: Sep 1988
- Risk Management Guide
- First Edition: Mar 1989

This guide is designed to provide the user with an understanding of, and a basic working familiarity with, the newest and most effective manufacturing management methods used in defense systems acquisition programs today. It is intended that the guide be particularly useful in preparing for and executing the production phase of a defense system program. The guide includes a discussion of DOD policies, procedures, methodologies, and practices -- along with a list of acronyms and a glossary of terms -- applicable to the management of the manufacturing function of defense contractors.

The basic activities associated with producing defense systems and associated equipment, the current critical issues affecting manufacturing management, the common causes (and cures, when known) of manufacturing problems, and lessons learned on past programs have been the focus. Manufacturing management considerations during the development, as well as the production phase of a program, have been the focus. Further, the guide has related the manufacturing function to the fielding of defense systems and subsequent logistics support activities.

The DSMC has accepted the long-range responsibility for keeping this guide up to date. Therefore, anyone having comments or recommendations relating to the overall text, or the coverage of a specific aspect of manufacturing management, is encouraged to submit them on a tear sheet located at the end of the guide -- or a letter, if no tear sheet is available. Mail it to the Director, Technical Management Division, Defense Systems Management College, Fort Belvoir, Virginia 22060-5426. Your comments and recommendations will be given serious consideration in the preparation of the next edition.

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